



County of Riverside
DEPARTMENT OF ENVIRONMENTAL HEALTH

P.O. BOX 7909 • RIVERSIDE, CA 92513-7909

STEVE VAN STOCKUM, DIRECTOR

**CITATION FOR NONCOMPLIANCE – WATER SYSTEM NO. 3301140
NO. 05_63_16C_016**

Re: Chuckwalla Valley Raceway Water System
System No. 3301140

Date: July 21, 2016

To: Chuckwalla Valley Associates
45-445 Portola Ave., Suite #5
Palm Desert, CA 92260

Section 116650, Article 9, Chapter 4, Part 12, Division 104 of the California Health and Safety Code (H&S Code), authorizes the issuance of a citation for failure to comply with the requirements of the California Safe Drinking Water Act, or any regulation, standard, permit order issued there under.

VIOLATION

The Department of Environmental Health (Department), hereby issues a citation to Chuckwalla Valley Associates for the following violation:

Title 22 of the California Code of Regulations (CCR), Section 64426.1 (b) (4). Specifically, Chuckwalla Valley Raceway Water System failed the Total Coliform Maximum Contaminant Level (MCL) during the month of May 2016. For a public water system which collects fewer than 40 samples per month, more than one sample collected during any month is total coliform-positive; or any repeat sample is fecal coliform-positive or E.coli-positive; or any repeat sample following a fecal coliform-positive or E.coli-positive routine sample is total coliform-positive.

CHRONOLOGY OF EVENTS

Chuckwalla Valley Raceway Water System (Chuckwalla) is a Transient Non-Community water system currently serving a road course race track with a set of men's and women's restrooms with showers, an office and a RV dump station. The water system sources currently consist of two active drilled wells: Well #1 (Office) has a 12" diameter casing of unknown depth. Well #1 serves the administration building which includes one restroom, a kitchen sink, an exterior hose bib and an automatic irrigation system. Well #2 (RR) has a 6 inch diameter casing to 800 foot depth and is serviced by a submersible pump. Well #2 currently serves a set of restrooms, RV dump station and a fire suppression system.

Well #1 and Well #2 currently exceed the Maximum Contaminant Level (MCL) for fluoride. Well #1 also exceeds the MCL for nitrate.

Recent Enforcement:

The Department issued a Citation and Compliance Order dated June 16, 2015. The water system is currently working on plans to expand the water system and provide treatment for the fluoride MCL. Chuckwalla plans on properly destroying Well #1 in the near future.

A Notice of Violation (NOV) dated May 10, 2016, was issued to Chuckwalla Valley Associates for failing to properly follow up on a total coliform present bacteria result in January 2016 and for not completing the five routine samples in February 2016.

Recent History:

On May 15, 2016, Chad Finch (Finch), the certified water operator for Chuckwalla, collected routine bacteria samples representing both distribution systems: Two special samples from each well, one special sample from the kitchen R/O unit, one routine sample from the kitchen sink and one routine sample from the track sink men's restroom. The laboratory notified Finch on May 17, 2016, with the following results: Well #2, the kitchen sink and the track men's restroom sink were all total coliform present/E.coli absent. Well #1 and the kitchen R/O unit were both total coliform absent. Finch oversaw the chlorination of both wells and the distribution systems. On May 18, 2016, he collected resamples at Well #1, the kitchen sink, Well #2, track men's restroom sink, exterior hose bib at office building and a hose bib outside the track restrooms. All results were absent for total coliform bacteria.

Due to the history of total coliform results at this water system and due to the fact that the system does not have much usage during the week, this Department, Finch and representatives from Chuckwalla Valley Associates discussed maintaining a chlorine residual in the system and routinely flushing the dead ends. In addition, Finch was instructed to perform a Level 1 Assessment of the water system as per the Revised Total Coliform Rule. Finch completed the Level 1 Assessment on June 28, 2016. The assessment summary discussed the standing water times and the lack of usage on the weekends. The corrective action was to maintain a disinfection residual in the system by hand chlorinating until an approved chlorinator could be installed. The anticipated installation date was by July 15, 2016. Updated discussions with Finch indicated that the chlorinator should be installed by July 24, 2016.

On June 27, 2016, Finch collected one special bacteria sample from the kitchen R/O unit and one routine from the track men's restroom sink. Both results were absent for total coliform bacteria. On June 28, 2016, Finch collected four routine bacteria samples from the track women's restroom sink, the exterior hose bib at office building, the office kitchen sink and the track men's restroom sink. As stated on the chain of custody, chlorine readings ranged from 0.21 mg/L to 0.43 mg/L. All results were absent for total coliform bacteria.

DIRECTIVES

All consumers served by this water system must be notified of this violation, as required in Section 64426.1 (c). Attached is a notification form containing the language that is required in Section 64465. The notice must be posted in conspicuous locations throughout the area served by the water system as soon as practical but within 30 days after you learn of the violation. The

notice must be posted for at least 7 days. Submit a Proof of Notification to this Department once the notice has been posted for at least 7 days.

Your public water system must be maintained so that the total coliform MCL is not violated. Continue to work with your certified water operator to correct and/or prevent reoccurrence of this violation.

Install an approved chlorination system for Well #2 distribution system by August 1, 2016. Due to the pending destruction of Well #1, hand chlorination will be allowed for Well #1 distribution system. The Department may withdraw this approval in the future and require an approved chlorination system for Well #1 distribution system if Well #1 plans change.

Additional requirements due to the chlorination system are described below:

- The chlorination system must be operated by a minimum D1 certified water operator.
- The chlorinator pump and chemical feed tank must be NSF 61 certified. The chlorine must be 60 certified.
- Disinfection levels of free chlorine in the distribution system shall not exceed 4.0 mg/L. Record chlorine readings daily and maintain a chlorine log.
- Sample the well and distribution system monthly for total coliform and E.coli bacteria for at least six months. The sampling frequency will be reevaluated after the six months. The chlorine residual must be zero at Well #2 prior to sampling for bacteria. Document the chlorine residual for both wells and both distribution systems on the chain of custody at the same time the bacteria sampling is conducted. Inform the lab to analyze the bacteria sample for the wells as quantifying results with MPN/100 mL.

The required coliform bacteria follow-up sampling to an unsatisfactory routine sample is described below. This must be completed each and every time that a routine coliform bacteria sampling is unsatisfactory.

1. Within 24 hours of being notified of an unsatisfactory coliform bacteria result by your laboratory, collect four resamples. If you are unable to collect the resamples within 24 hours, contact this Department. Collect the resamples at the sample tap where the unsatisfactory sample was taken, an upstream sample within 5 service connections of the unsatisfactory site, a downstream sample within 5 service connections of the unsatisfactory site, and a sample at the source(s) of water for the distribution system.

All active wells must be sampled. If the direction of flow in the distribution system is not known, or if the distribution system is quite small, contact this Department for guidance.

2. If any of the resamples are unsatisfactory, additional sets of resamples must be taken. Contact this Department for guidance.
3. In the month following the unsatisfactory sample collect five coliform bacteria samples.

FURTHER ENFORCEMENT ACTION

Failure to comply with this notice and/or failure to comply with Title 22 of the California Code of Regulations may result in assessment of administrative penalties. This Department does not waive any further enforcement action by issuance of this citation.

If you have any questions, please contact me at (760) 863-7570.



Jackie Jones, REHS
Environmental Health Specialist

Attachments:

Tier 2 Resolved Total Coliform Notice
Proof of Notification Form

Certified Mail: 7007 3020 0001 6550 3207

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

Chuckwalla Valley Raceway Had Levels of Coliform Bacteria Above the Drinking Water Standard

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we did to correct this situation.

We routinely monitor for drinking water contaminants. We took six (6) routine and follow up samples to test for the presence of coliform bacteria during May 2016. Two (2) of those samples showed the presence of total coliform bacteria. The standard is that no more than 1 sample per month may do so.

What should I do?

- **You do not need to boil your water or take other corrective actions.**
- This is not an emergency. If it had been, you would have been notified immediately. Total coliform bacteria are generally not harmful themselves. *Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.*
- Usually, coliforms are a sign that there could be a problem with the system's treatment or distribution system (pipes). Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or *E. coli*, are present. **We did not find any of these bacteria in our subsequent testing, and further testing shows that this problem has been resolved.**
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from U.S. EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What was done?

The well and distribution system has been disinfected and additional samples do not show presence of coliform bacteria.

We are in the process of installing a chlorinator for Well #2 distribution system and will maintain a chlorine residual in Well #1 distribution system.

For more information, please contact Chad Finch at (760) 834-5513.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by Chuckwalla Valley Raceway Water System.

State Water System ID#: 3301140. Date distributed: _____.

PROOF OF NOTIFICATION

NAME OF WATER SYSTEM Chuckwalla Valley Raceway Water System

WATER SYSTEM NUMBER 3301140

As required by the California Health and Safety Code, this acknowledges that I have notified the users of this water system that the water supplied by Chuckwalla Valley Raceway Water System was issued a Citation for failing the Bacteriological MCL (maximum contamination level) for the Month of May 2016 which is a violation of the California Safe Drinking Water Standards. The Tier 2 Notice was posted in conspicuous locations throughout the area served and posted for at least 7 days.

This notification was made using the following method(s);

Verbal, to each customer/connection	Date completed _____
Public Posting of Notice	Date completed <u>July 18 – 25, 2016</u>
Mail or Hand Delivery of a Written Notice	Date completed _____
Public Newspaper or Media	Date completed _____

Chad Finch

Print Name

Chad Finch

Signature of Water System Representative